

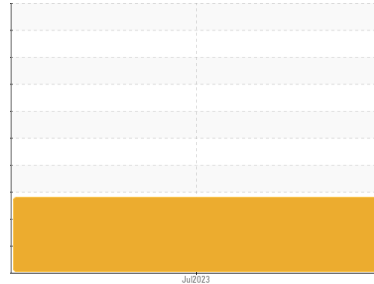


PROBLEM SUMMARY



Machine Id
CATERPILLAR RM-500 06-0981 (S/N 0MB900148)
 Component
Front Right Final Drive
 Fluid
MOBIL DTE 10 EXCEL 46 (--- GAL)

Sample Rating Trend

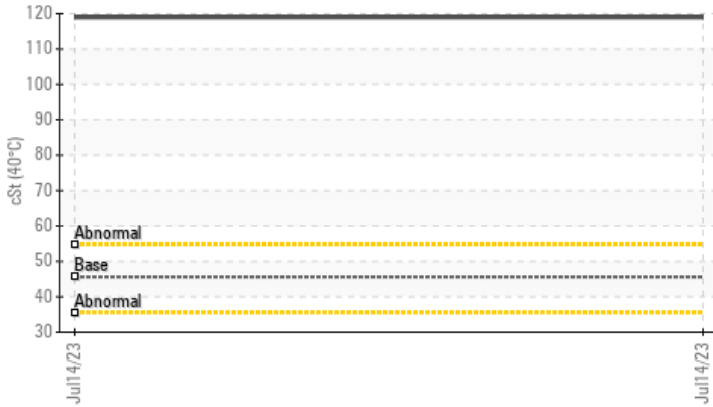


VISCOSITY



COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



▲ Additives



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status		ATTENTION		---	---
Boron	ppm	ASTM D5185m	▲ 24	---	---
Magnesium	ppm	ASTM D5185m	▲ 20	---	---
Calcium	ppm	ASTM D5185m	▲ 2977	---	---
Phosphorus	ppm	ASTM D5185m	▲ 1014	---	---
Zinc	ppm	ASTM D5185m	▲ 1240	---	---
Sulfur	ppm	ASTM D5185m	▲ 8316	---	---
Visc @ 40°C	cSt	ASTM D445	45.6	▲ 119	---

Customer Id: CONLINNE
 Sample No.: SBP0004557
 Lab Number: 05900830
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



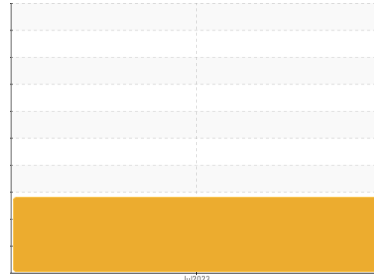
OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Machine Id
CATERPILLAR RM-500 06-0981 (S/N OMB900148)
 Component
Front Right Final Drive
 Fluid
MOBIL DTE 10 EXCEL 46 (--- GAL)



DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

▲ Fluid Condition

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	SBP0004557	---	---
Sample Date	Client Info	14 Jul 2023	---	---
Machine Age	hrs Client Info	3009	---	---
Oil Age	hrs Client Info	533	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>800	35	---	---
Chromium ppm ASTM D5185m	>10	<1	---	---
Nickel ppm ASTM D5185m	>5	0	---	---
Titanium ppm ASTM D5185m	>15	<1	---	---
Silver ppm ASTM D5185m	>2	0	---	---
Aluminum ppm ASTM D5185m	>75	2	---	---
Lead ppm ASTM D5185m	>10	<1	---	---
Copper ppm ASTM D5185m	>75	2	---	---
Tin ppm ASTM D5185m	>8	0	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		▲ 24	---	---
Barium ppm ASTM D5185m		0	---	---
Molybdenum ppm ASTM D5185m		<1	---	---
Manganese ppm ASTM D5185m		<1	---	---
Magnesium ppm ASTM D5185m		▲ 20	---	---
Calcium ppm ASTM D5185m		▲ 2977	---	---
Phosphorus ppm ASTM D5185m		▲ 1014	---	---
Zinc ppm ASTM D5185m		▲ 1240	---	---
Sulfur ppm ASTM D5185m		▲ 8316	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>400	6	---	---
Sodium ppm ASTM D5185m		0	---	---
Potassium ppm ASTM D5185m	>20	2	---	---

VISUAL

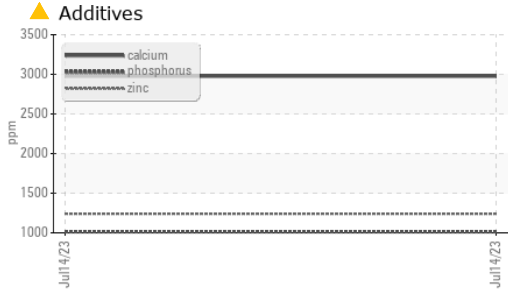
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
Debris scalar *Visual	NONE	NONE	---	---
Sand/Dirt scalar *Visual	NONE	NONE	---	---
Appearance scalar *Visual	NORML	NORML	---	---
Odor scalar *Visual	NORML	NORML	---	---
Emulsified Water scalar *Visual	>0.2	NEG	---	---
Free Water scalar *Visual		NEG	---	---

FLUID PROPERTIES

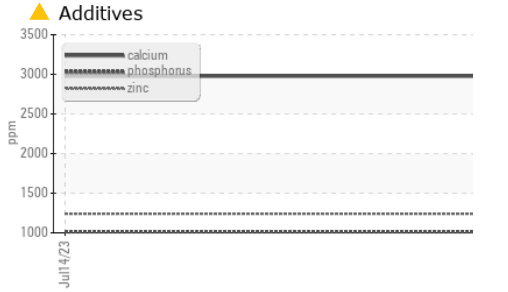
method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	45.6	▲ 119	---	---



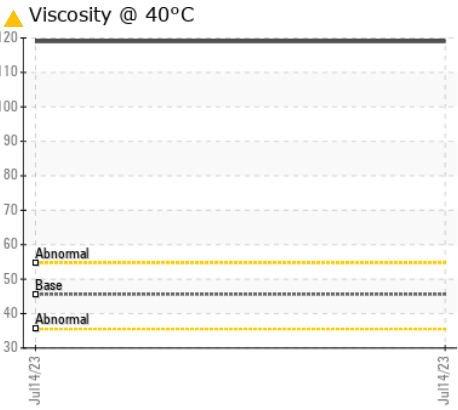
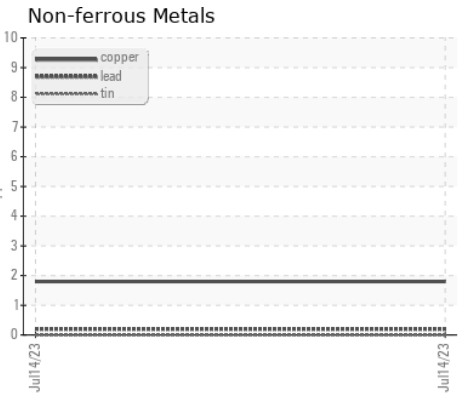
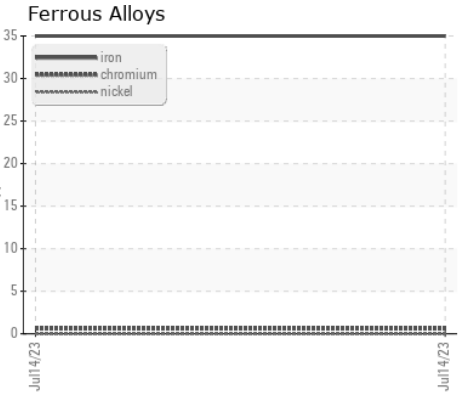
OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0004557 **Received** : 17 Jul 2023
Lab Number : 05900830 **Diagnosed** : 19 Jul 2023
Unique Number : 10562186 **Diagnostician** : Doug Bogart
Test Package : FLEET

Constructors Inc. - 603659
 1815 Y Street
 Lincoln, NE
 US 68508
 Contact: Jack Linhart
 jackl@constructorslincoln.com
 T: (402)434-2157
 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)